

Figure 1

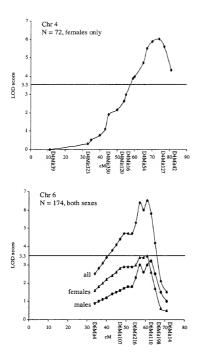


Figure 2

B-Isoform M-Isoform Isoform 7 Isoform 8 Isoform 9		1 1 1 1 1	ATGACTTTTG ATGACTTTTG ATGACTTTTG ATGACTTTTG ATGACTTTTG	ATGACAAGAT ATGACAAGAT ATGACAAGAT	GAAGCCTGCG GAAGCCTGCG GAAGCCTGCG	AATGACGAGC AATGACGAGC AATGACGAGC AATGACGAGC	CTGATCAGAA CTGATCAGAA CTGATCAGAA
B-Isoform M-Isoform Isoform 7 Isoform 8 Isoform 9		51 51 51 51 51	GTCATGTGGC GTCATGTGGC GTCATGTGGC	AAGAAGCCTA AAGAAGCCTA AAGAAGCCTA	AAGGTCTGCA AAG	TTTGCTTTCT	TCCCCATGGT
B-Isoform M-Isoform Isoform T Isoform 8 Isoform 9		101 101 73 73 73		TGCTATGACT		TCTGCCTGGT TCTGCCTGGT	
B-Isoform M-Isoform Isoform 7 Isoform 8 Isoform 9	1	151 151 73 73 73	ACCCTTATTG			CAGGTATCTG CAGGTATCTG	
B-Isoform M-Isoform Isoform 7 Isoform 8 Isoform 9			ACAATACCAA	GCGAACCTTA	CTCAGCAGGA	TCGTATCCTG TCGTATCCTG	GAAGGCAGA
B-Isoform M-Isoform Isoform 7 Isoform 8 Isoform 9			TGTTAGCCCA	GCAGAAGGCA	GAAAACACTT	CACAGGAATC CACAGGAATC	AAAGAAGGAA
B-Isoform M-Isoform Isoform 7 Isoform 8 Isoform 9		301 301 73 73 73		AGATAGACAC			

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B-Isoform 1 M-Isoform 1 Isoform 7 Isoform 8 Isoform 9	351 73 73	AGAGCAGGAG	GAGCTTCTAC GAGCTTCTAC	AGAAGAATCA	GAACCTCCAA	GAAGCCCTGC
B-Isoform I M-Isoform I Isoform B Isoform 8 Isoform 9	1 401 73 73	AAAGAGCTGC		GAGGAGTCCC -AGGAGTCCC	AGAGAGAACT AGAGAGAACT	CAAGGGAAAG CAAGGGAAAG
B-Isoform I M-Isoform I Isoform 7 Isoform 8 Isoform 9	1 451 102	ATAGACACCA ATAGACACCA	TCACCCGGAA TCACCCGGAA TCACCCGGAA	GCTGGACGAG GCTGGACGAG	AAATCCAAAG AAATCCAAAG	AGCAGGAGGA AGCAGGAGGA
B-Isoform (M-Isoform 7) Isoform 7 Isoform 8 Isoform 9	501 152	GCTTCTGCAG GCTTCTGCAG	ATGATTCAGA ATGATTCAGA ATGATTCAGA	ACCTCCAAGA ACCTCCAAGA	AGCCCTGCAG AGCCCTGCAG	AGAGCTGCAA AGAGCTGCAA
B-Isoform I M-Isoform 7 Isoform 8 Isoform 9	1 551 202 73	ACTCTTCAGA ACTCTTCAGA	GGAGTCCCAG GGAGTCCCAG GGAGTCCCAG GGAGTCCCAG	AGAGAACTCA AGAGAACTCA AGAGAACTCA	AGGGAAAGAT AGGGAAAGAT AGGGAAAGAT	AGACACCCTC AGACACCCTC
B-Isoform : M-Isoform : Isoform 7 Isoform 8 Isoform 9	1 601 252 114	ACCTTGAAGC ACCTTGAAGC ACCTTGAAGC	TGAACGAGAA TGAACGAGAA TGAACGAGAA TGAACGAGAA	ATCCAAAGAG ATCCAAAGAG ATCCAAAGAG	CAGGAGGAGC CAGGAGGAGC CAGGAGGAGC	TTCTACAGAA TTCTACAGAA
B-Isoform : M-Isoform : Isoform : Isoform : Isoform :		GAATCAGAAC GAATCAGAAC	CTCCAAGAAG CTCCAAGAAG CTCCAAGAAG CTCCAAGAAG	CCCTGCAAAG CCCTGCAAAG	AGCTGCAAAC AGCTGCAAAC AGCTGCAAAC	TTTTCAGGTC TTTTCAGGTC TTTTCAGGTC

B-Isoform 1	7.01	CTTCTCCACA	NORCEGOES.	TOCONTABAN	AAAACTGTTA	COMPRESSE
					AAAACTGTTA	
Iscform 7					AAAACTGTTA	
Isoform 8	214	CTTGTCCACA	AGACTGGCTT	TGGCATAAAG	AAAACTGTTA	CCTCTTCCAT
					AAAACTGTTA	
TROLOTE: 2	, ,	CIIGICCACA	MGMCIGGCIC	IGGCNIANAG	nnnncigiin	CCICIICON.
B-Isoform 1	751	GGGCCCCTTA	GCTGGGAAAA	AAACCGGCAG	ACCTGCCAAT	CTTTGGGTGG
M-Isoform 1		CCCCCCTTTA	CCTCCCAAAA	AAAcccccac	ACCTGCCAAT	commecconce
					ACCTGCCAAT	
Isoform 7						
Isoform 8	264	GGGCCCTTTA	GCTGGGAAAA	AAACCGGCAG	ACCTGCCAAT	CTTTGGGTGG
Isoform 9	125	GGGCCCTTTA	GCTGGGAAAA	AAACCGGCAG	ACCTGCCAAT	CTTTGGGTGG
				4		
B-Isoform 1	801	CCDGTTDGTD	CARATTRATE	GTGCAGATGA	TCTGACATTC	AGCTTACAAC
					TCTGACATTC	
Iscform 7					TCTGACATTC	
Isoform 8	314	CCAGTTACTA	CAAATTAATG	GTGCAGATGA	TCTGACATTC	ATCTTACAAG
Isoform 9	175	CCAGTTACTA	CABBTTBBTC	GTGCAGATGA	TOTGACATTO	ATCTTACEAS
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B-Isoform 1	851	CAATTTCCCA	TACCACCTCC	CCGTTCTGGA	TTGGATTGCA	TCGGAAGAAG
M-Isoform 1	851	CAATTTCCCA	TACCACCTCC	CCATTCTGGA	TTGGATTGCA	TOGGAAGAAG
Isoform					TTGGATTGCA	
Isoform 8					TTGGATTGCA	
1soform 9	225	CAATTTCCCA	TACCACCTCC	CCATTCTGGA	TTGGATTGCA	TCGGAAGAAG
B-Isoform 1	0.01	COTCOCCARC	Chrocomano	CCRCRRRCCR	ACTCCTTTGA	propert a per
M-Isoform 1					ACTCCTTTGA	
Isoform ~	552	CCTGGCCAAC	CATGGCTATG	GGAGAATGGA	ACTCCTTTGA	ATTTTCAATT
Isoform 3	414	CCTGGCCAAC	CATGGCTATG	GGAGAATGGA	ACTCCTTTGA	ATTTTCAATT
Isoform 9		CCTGGCCAAC	CATGGCTATA	CORCARTORA	ACTCCTTTGA	APPPPCZATE
13010111	210	CCIOCCERIC	011100011110	001011110011		
B-Isoform 1				CTTTACAGCT	ATATTCATCA	GGCHACTUTE
M-Isoform 1	951	CTTTAAGACC		CITTACAGCT	ATATTCATCA	GGCAACTGIL
Isoforr -	602	CTTTAAGACC	AGGGGGGTTT	CTTTACAGCT	ATATTCATCA	AGCAACTGTG
Isoform 5	464				ATATTCATCA	
					ATATTCATCA	
Isoform =	325	CTTTAAGACC	AGGGGGGTTT	CITACAGCI	ATATTCATCA	GGCAACIGIC
B-Isoform1 1	.001	CATACCTTCA	AGACGGAGCT	GTGTTCGCTG	AAAACTGCAT	TOTALTEGOL
	001		AGACGGAGCT			TCTAATTGCA
Isoform 7	652				AAAACTGCAT	
Isoform 8	514				AAAACTGCAT	
Isoform 9	375	CATACCTTCA	AGACGGAGCT	GTGTTCGCTG	AAAACTGCAT	TCTAATTGCA
B-Isoforml I	0.51	TTCTCTTTT	GTCAGAAGAA		TTGCAAATTT	NG
M-Isoform1 1			GTCAGAAGAA			AG
Isoform 7	702	TTCAGCATAT	GTCAGAAGAA	GACAAATCAT		AG
Isoform 8	564	TTCAGCATAT	GTCAGAAGAA	GACAAATCAT	TTGCAAATTT	AG
Isoform 9	425		GTCAGAAGAA			AG
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														gtg Val		144
														tct Ser		192
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														cag Gln 95		732
														aag Lys		336
														cag Gln		384
														tcc Ser		432
														gac Asp		480
														ctc Leu 175		528
														aga Arg		576
ctc Leu	aag Lys	gga Gly 195	aag Lys	ata Ile	gac Asp	acc Thr	ctc Leu 200	acc Thr	ttg Leu	aag Lys	ctg Leu	aac Asn 205	gag Glu	aaa Lys	tcc Ser	624
										Gln				gaa Glu		672

Figure 4A

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Iso	for	n 1								
							cca Pro			723
							acc Pro			7.5
							cag Gln			816
							gca Ala			864
							aag Lys 300			912
							caa Gln			960
							aac Asn			1008
							cta Leu			1056
				aat Asn			tag			1092

Iso	for	m 2														
														gat Asp 15		4 8
														tcc Ser		3 (
														gtg Val		144
			ctt Leu							tgai	ogta	atc (etgg.	aagg	jc	194
agat	gtta	ago (ccago	caga	ag g	cagaa	aaaca	ctt	caca	agga	atca	aaaga	aag	gaact	gaaag	254
gaaa	agata	aga (cacco	ctca	ee e	agaaq	gctga	acq	gaga	aatc	caaa	agago	cag	gagga	agette	314
taca	igaaq	gaa :	tcaga	acct	ic c	agaa	agcco	c tgo	caaaq	gagc	tgca	aaac	ct '	tcaga	aggagt	374
0008	gaga	aga a	actca	agg	ga a	agata	agaca	a cca	atca	cccg	gaaq	gatg	gac (gagaa	atcca	434
aaga	gcaq	gga (ggago	ette	g c	gat	gatto	e aga	acci	сса	agaa	agcco	ctg	cagaç	gagetg	494
caaa	icto:	ito (agago	gagt	ec e	agaga	agaad	t to	aagg	gaaa	gata	agaca	acc .	ctcac	ccttga	554
agot	gaad	ga :	gaaat	cca	aa g	agca	ggagç	g ago	ette	caca	gaaq	gaato	cag a	aacct	ccaag	61-
aago	coct	jca a	aagaq	gctg	ca a	actti	tcaq	ggto	att	gtee	acaa	agact	gg (etetç	ggcata	674
aaga	iaaa	etg :	ttac	eteti	e e	gtgg	gadat	tta	actg	ggaa	aaaa	agcc	ggc :	agaco	etgeca	
acot	ittg	ggt (ggca	gtta	et a	caaat	taat	ggg	gcaga	atg						

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Isofo:	rm 3														
atg act Net Th:															48
aag to: Lys Se:															36
tgg tg: Trp Tri															- 44
tea gt: Ser Val 50															182
oto tta Led le 65															240
gaa gg Glu Gl															<u> </u>
toa aa Ser Ly:															336
aac ga Asn Gl															384
ctc car Leu Gl: 13	a Gil														432
aga ga Arg Gl 145															480
aáa to Lys Se															495

T	£	. ,														
	for															
						atg Met										4.7
						cct Pro										96
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						cag Gln 55										192
ctc Leu 65	tta Leu	aaa Lys	caa Gln	tac Tyr	caa Gln 70	geg Ala	aac Asn	ctt Leu	act Thr	cag Gln 75	cag Gln	gat Asp	cgt Arg	atc Ile	ctg Leu 80	24C
						cag Gln										288
						gga Gly										336
						cag Gln										384
						aga Arg 135										432
caa Gln 145	gac Asp	tgg Trp	ctc Leu	tgg Trp	cat His 150	aaa Lys	gaa Glu	aac Asn	tgt Cys	tac Tyr 155	ctc Leu	ttc Phe	cat His	ggg Gly	ccc Pro 160	480
						cgg Arg										528
						gca Aîa										576
att Ile	tcc Ser	cat His	acc Thr	acc Thr	tcc Ser	ccg Pro	ttc Phe	tgg Trp	att Ile	gga Gly	ttg Leu	cat His	cgg Arg	aag Lys		611

Figure 7

130	TOTE															
			gat Asp													4.5
			ggc Gly 20													9
			cct Pro													144
			ctt Leu							tga	cgta	atc 4	ctgg	aagg	ge	19
agat	gtta	age	ccago	cagaa	ag g	cagaa	aaaca	a ctt	cac	agga	atca	aaaga	aag o	gaact	gaaag	25-
gaaa	gata	aga	cacco	ctcad	ec e	agaa	gatga	a acq	gact	ccaa	agaç	gcag	gag (gagct	cacacc	31
0000	ccga	aac	eteca	aagaa	ag c	cctg	caaaq	g ago	etge	aaac	toti	cag	gtc	cttgi	iccaca	37.
agad	etgge	ete	tggca	ataaa	ag a	aaact	igtta	a cct	tett	ccat	ggg	ccct	tta (gctg	ggaaaa	43
aaac	egg	eag	acct	geca	at c	tttg	ggtg	g gca	agtt	acta	caaa	atta	atg :	gtgc	agatga	49
tate	gacat	tc	atct	tacaa	ag c	aatti	ccca	a tao	ccac	etce	ccti	ctt	gga .	ttgga	attgca	55
tage	gaaga	ag	catg	gcaa	cc a	ggg	tatg	g ga	gaat	ggac	ttet	ttg	aat	tttaa	atttt	61
aaga	acag	ggc	gttt	taca	ag t	tttt	cataa	a gga	actt	gtga	tact	tag	agg :	gctg	ggttcg	67
ttga	aatq	gat	tota	tgg	ct a	gcate	gtaga	a aaa	aaaa:	ot						٠.

150	IOT	nο														
			gat Asp													48
aag Lys	tca Ser	tgt Cys	ggc Gly 20	aag Lys	aag Lys	cct Pro	aaa Lys	ggt Gly 25	ctg Leu	cat His	ttg Leu	ctt Leu	tot Ser 30	tcc Ser	cca Pro	94
			cct Pro													1
			ctt Leu							tago	gagto	cec a	igag:	agaad	:=	1.45
caaq	gggaa	ag a	ataga	acaco	ec to	cacct	tgaa	get	gaa	egag	aaat	cca	ag a	agcaç	ggagga	239
gct:	ctac	ag a	aagaa	atcaç	ga ao	ecte	aaga	ago	coct	gcaa	agaç	getge	caa a	acttt	tcagg	31,4
toot	tgto	cca :	caaga	actg	gc to	ctgg	cataa	aga	aaaa	etgt	taco	ctcti	cc a	atgg	jecett	3-4
tage	etggç	jaa i	aaaaa	accg	gc a	gacct	gcca	ato	cttt	gggt	ggc	agti	ac t	tacaa	aattaa	434
tggt	gcaç	jat :	gatet	tgaca	at to	catc	taca	age	caat	tcc	cata	acca	ct (cccc	gttctg	494
gati	ggat	itg (cate	ggaaq	ga a	gcct	ggcca	aco	catg	gcta	tggg	gagaa	atg (gaact	ccttt	534
gaat	ttto	caa ·	ttott	ttaaq	да с	cagg	ggcgt	tte	ettta	acag	ctat	att	at o	caggo	caactg	614
tgca	ataco	ett	caaga	acgga	ac to	gtgtt	cgct	ga:	aaact	tgca	ttct	aatt	gc a	attca	agcata	674
tgto	caaaa	iga .	agaca	aato	a t	ttgca	aatt	ta	gtgaa	atct	aaaq	gaat				721

Tag act tot gat gac aag atg aag cot gog aat gac gag gas cot gat cag met for fine has Asp Lys Met Lys Pro Ala Ash Asp Glu Pro Pro Glu Pro Glu Pro Glu Pro Fro Pro He Info Glu Pro Fro He Info Glu Pro Fro He Info Glu Pro F	Teo	form	n 7							,								
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cag gag gag ctt ctg cag atg att cag aac ctc caa gag acg ctg caa aag gag ctl cta cag aac ctc toc caa gaa gac ctc caa gag gag ctc ctag cag ctg cta ctg cag ctl cta cag aac ctc toc caa gag gag ctc cag cag ctg cta ctg cag ctl cta cag acc ctc caa gag gag ctc cag cag ctg cac ctg cag ctl cta cag acc ctc cag gag acc ctc aag gag acc ctc aag gag acc ctg cag ctl cta cac acc ctc cac ctg ctg cta ctg cac ctg cag ctg cta ctg cac ctg cac ctg ctg cac acc ctt cac cac ctg ctg cac acc ctc cac gag ctg ctc ctg cac acc ctc cac acc ctg ctg cac acc ctc cac acc ctg cac acc ctg cac acc ctc cac acc ctg cac acc ctc cac acc ctg cac acc ctc cac acc ctg cac acc ctg cac acc ctg cac acc ctc cac acc ctg cac acc ctc cac acc ctg cac acc ctg cac acc acc ctg cac acc ctg ctg cac acc acc acc acc acc acc acc acc ac	aag Lys	tca Ser	tgt Cys	Gly	aag Lys	aag Lys	cct Pro	aaa Lys	Glu	gag Glu	tcc Ser	cag Gln	aga Arg	Glu	ctc Leu	aag Lys		96
ciń 612 613 Leu Leu Gln Met Ile Gln Asn Leu Gln 610 141a Leu Gln 500 200 200 200 200 200 200 200 200 200	gga Gly	aag Lys	Ile	gac Asp	acc Thr	atc Ile	acc Thr	Arg	aag Lys	ctg Lea	gac Asp	gag Glu	Lys	tcc Ser	aaa Lys	gag Glu		144
Arg Ala Ala Asn Ser Ser Giú Giú Ser Giá Arg Giu Leu Lys Giy Lys 65 75 80 80 80 80 80 80 80 80 80 80 80 80 80		Gli					Met					Gln						192
gag ctt cta cag aag aat cag aac ctc caa gaa gcc ctg caa aga gct cta cag aag aat cag aac ctc caa gaa gcc ctg caa aga gct cta cag aag act cta cag aac ctc caa gaa ctg cta ctg caa aag aga ctg cat aaa cta cta cag cta ctg caa aac ctg caa ctg cta ctg cta ctg caa ctg cta ctg cta ctg caa ctg ctg cat ctg caa caa ctg cta cta cta cta cta caa gac ctg ctg ctg caa aaa caa cgg cag asc. ctg cta ctg	Arg	gct Ala	gca Ala	aac Asn	tct Ser	Ser	gag Glu	gag Glu	tcc Ser	cag Gin	Arg	gaa Glu	ctc Leu	aag Lys	gga Gly	Lys		240
Giu Leu Leu Gin Lys Asn Gin Asn Leu Gin Glu Aia Leu Gin Arg Aia 1100 1100 1105 1105 1105 110 1100 1100	ata Ele	gac Asp	acc Tar	ctc Leu	Thr	ttg Leu	aag Lys	ctg Leu	aac Asn	Glu	aaa Lys	toc Ser	aaa Lys	gag Glu	Gln	gag Glu		285
Ala Asn Phe Ser Gly Pro Cys Pro Gln Asp Trp Leu Trp His Lys Glu 115 aac tgt tac ctc ttc cat ggc ccc ttt ggc tgg caa aac aac cgg cag Asn Cys Tyr Leu Phe His Gly Pro Phe Gly Trp Glu Lys Asn Arg Gln 130 acc tgc caa tct ttg ggt ggc cag tta cta caa att aat ggt gca gat Thr Cys Gln Ser Leu Gly Gly Gln Leu Leu Gln Ile Asn Gly Ala Asp 145 gat ctg aca ttc atc tta caa gca att tcc cat acc acc tcc cca ttc Asp leu Thr Phe Ile Leu Gln Ala Ile Ser His Thr Thr Ser Pro Phe 165 tgg att gga ttg cat cgg aag aag ct ggc caa cca tgg cta tgg gag Trp Ile Gly Leu His Arg Lys Lys Pro Gly Gln Pro Trp Leu Trp Glu 180 aat gga act cct ttg aat ttt caa ttc ttt aag acc agg ggc gtt tct Asn Gly Thr Pro Leu Asn Phe Gln Phe Phe Lys Thr Arg Gly Val Ser 200 tta cag cta tat tca tca agc aac tgt gca tac ctt caa gac gga gct Leu Gln Leu Tyr Ser Ser Ser Asn Cys Ala Tyr Leu Gln Asp Gly Ala 215 gt ttc gct gaa aac tgc att cta att gca ttc agc ata ttc cag aag Val Phe Ala Glu Asn Cys Ile Leu Ile Ala Phe Ser Ile Cys Gln Lys 225 aag aca act ctt ttg caa att tag Asn Gly Tr Asn His Leu Gln Ile 1744	gag Glu	ott Leu	cta Leu	Gln	aag Lys	aat Asn	cag Gln	aac Asn	Leu	caa Gln	gaa Glu	gcc Ala	ctg Leu	Gln	aga Arg	get Ala		336
Asn Cys Tyr Leu Phe His Cly Pro Phe Cly Tro Clu Lys Asn Arg Gln acc tgc caa tct ttg ggt ggc cag tta cta caa att aat ggt gca gat Thr Cys Gln Ser Leu Gly Gly Gln Leu Leu Gln Tie Asn Gly Ala Asp 145 gat ctg aca ttc atc tta caa gca att tcc cat acc acc tcc cca ttc Asp Led Thr Phe Ile Leu Gln Ala Ile Ser His Thr Thr Ser Pro Phe 165 tgg act ggat tgg att gcat cgg aag acc gct ggc caa cca tgg cta tgg gag Trp Ile Gly Leu His Arg Lys Lys Pro Gly Gln Pro Trp Leu Trp Glu 180 aat gga act cct ttg aat ttt caa ttc ttt sag acc agg ggc gtt tct Asn Gly Thr Pro Leu Asn Phe Gln Phe Phe Lys Thr Arg Gly Val Ser 200 tta cag cta tat tca tca agc aac tgt gca tac ctt caa gac gga gct Leu Gln Leu Tyr Ser Ser Asn Cys Ala Tyr Leu Gln Asp Gly Ala 215 gt gt tc ggt gaa acc tgt caa ttc ta att gca ttc agc ata tgt cag aag Val Phe Ala Glu Asn Cys Ile Leu Ile Ala Phe Ser Ile Cys Gln Lys 225 aag aca aat cat ttg caa att tag aag aca aat cat ttg can att tag Lys Thr Asn His Leu Gln Ile	gca Ala	aac Asn	Phe	tca Ser	ggt Gly	cct Pro	tgt Cys	Pro	caa Gln	gac Asp	tgg Trp	ctc Leu	Trp	cat His	aaa Lys	gaa Glu		384
The Cys Gin Ser Lew Giy Giy Gin Lew Lew Gin Tie Asn Giy Ala Asp 145 350 agat org ada the are that cas gos ath the cest acc acc the cas pleu Thr Phe Ile Lew Gin Ala Ile Ser His Thr Thr Ser Pro Phe 165 togg and tog act edg asg asg and edg edge cas cas tog data tog gag and tog act edge and acc the cas gos athe cas tog the lew His Arg Lys Lys Pro Giy Gin Pro Trp Lew Trp Giu 180 ath agg act oct the sat the cas the thr thr and gag edge the cas gos and acc ather and the cas the cas gos and acc ather and the cas the cas gos gag edge that the cas gos acc act and the cas the cas gos gag edge acc act and the cas cas tog cas acc ather and the cas cas tog cas acc ather and the cas acc act and the cas acc acc acc acc acc acc acc acc acc	aac Asr	Cys	tac Tyr	ctc Leu	ttc Phe	cat His	Gly	Pro	ttt Phe	ggc Gly	tgg Trp	Glu	aaa Lys	aac Asn	cgg Arg	cag Gln		432
Asp led Thr Phe IIe Leu Gln Ala IIe Sex His Thr Thr Ser Pro Phe 165 tgg att gga ttg cat cgg aag aag cct ggc caa cca tgg cta tgg gag Trp IIe Gly Leu His Arg Lys Lys Pro Gly Gln Pro Trp Leu Trp Glu 180 aat gga act cct ttg aat ttt caa ttc ttt aag acc agg ggc gtt tct Asn Gly Thr Pro Leu Asn Phe Gln Phe Phe Lys Thr Arg Gly Val Ser 200 tta cag cta tat tca tca agc aac tgt gca tac ctt caa gac gga gct Leu Gin Leu Tyr Ser Ser Ser Asn Cys Ala Tyr Leu Gln Asp Gly Ala 215 gtg ttc gct gaa aac tgc att cta att gca ttc agc ata tgt cag aag Val Phe Ala Glu Asn Cys IIe Leu IIe Ala Phe Ser IIe Cys Gln Lys 225 aag aca aat cat ttg caa att tag aag aca aat cat ttg caa att tag Lys Thr Asn His Leu Gln IIe 744	Thr	tgc Cys	caa Gln	tct Ser	ttg Leu	Gly	ggc Gly	cag Gln	tta Leu	cta Leu	Gln	att Ile	aat Asn	ggt Gly	gca Ala	Asp		480
Try Tie Gly Leu His Arg Lys Lys Pro Gly Gln Pro Trp Leu Trp Glu aat gga act cot ttg aat ttt caa ttc ttt aag acc agg ggc gtt tct Asn Gly Thr Pro Leu Asn Phe Gln Phe Phe Lys Thr Arg Gly Val Ser 200 205 tta cag cta tat tca tca agc aac tgt gca tac ctt caa gac gga gct Leu Gin Leu Tyr Ser Ser Ser Asn Cys Ale Tyr Leu Gln Asp Gly Ala 215 gtg ttc gct gaa aac tgc att cta att gca ttc agc ata tgt cag aag Val Phe Ala Glu Asn Cys Tle Leu Ile Ala Phe Ser Ile Cys Gln Lys 225 aag aca aat cat ttg caa att tag aag aca aat cat ttg caa att tag Lys Thr Asn His Leu Gln Ile 744	gat Asp	ctq Led	aca Tnr	ttc Phe	Ile	tta Leu	caa Gln	gca Ala	att Ile	Ser	cat His	acc Tnr	acc Thr	tcc Ser	Pro	ttc Phe		528
Asn Gly Chr Pro Leu Asn Phe Gin Phe Phe Lys Thr Arg Gly Val Ser 200 205 205 205 205 206 207 207 207 207 207 207 207 207 207 207	Egg Trp	att Ile	gga Gly	Leu	cat His	egg Arg	aag Lys	aag Lys	Pro	ggc Gly	caa Gln	cca Pro	tgg Trp	Leu	tgg Trp	gag Glu		576
Leu Gir Leu Tyr Ser Ser Ser Asn Cys Ala Tyr Leu Gir Asp Giy Ala 216 gtg ttc get gaa aac tgc att cta att gca ttc agc ata tgt cag aag Val Pre Ala Glu Asn Cys Tie Leu Tie Ala Pne Ser Tie Cys Gin Lys 230 aag aca aat cat ttg caa att tag 744 Lys Thr Asn His Leu Gin Tie			Thr					Gin	Phe				Arg					624
Val Phe Ala Glu Asn Cys Ile Leu Ile Ala Phe Ser Ile Cys Gln Lys 225 230 240 aag aca aat cat ttg caa att tag 744 Lys Thr Asn His Leu Gln Ile	tta Leu	Glr.	cta Lea	tat Tyr	tca Ser	tca Ser	Ser	aac Asn	tgt Cys	gca Ala	tac Tyr	Leu	caa Gln	gac Asp	gga Gly	gct Ala		672
Lys Thr Asn His Leu Gln Ile	Val	ttc Phe	get Ala	gaa Glu	aac Asn	Cys	att Ile	cta Leu	att Ile	gca Ala	Pne	agc Ser	ata Ile	tgt Cys	cag Gln	Lys		720
								tag									T74 -	

Figure 10

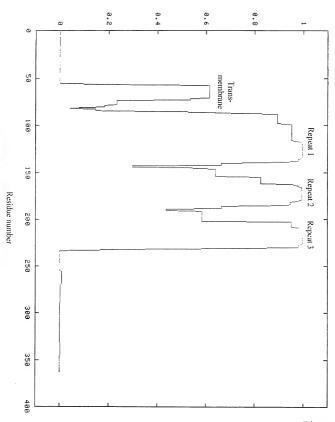
T	£	. 0							•								
atq	fori act Thr	ttt	gat Asp	gac Asp 5	aag Lys	atg Met	aag Lys	cct Pro	gog Ala 10	aat Asn	gac Asp	gag Glu	cet Pro	gat Asp 15	cag Gln		48
aag Lys	tca Ser	tgt Cys	ggc Gly 20	aag Lys	aag Lys	cct Pro	aaa Lys	gag Glu 25	gag Glu	tcc Ser	cag Gln	aga Arg	gaa Glu 30	ctc Leu	aag Lys		o fi
gga Gly	aag Lys	ata Ile 33	gac Asp	acc Thr	ctc Leu	acc Thr	ttg Leu 40	aag Lys	ctg Leu	aac Asn	gag Glu	aaa Lys 45	tcc Ser	aaa Lys	gag Glu	-	
cag Gln	gag Glu 50	gag Glu	ctt Leu	cta Leu	cag Gln	aag Lys 55	aat Asn	cag Gln	aac Asn	ctc Leu	caa Glr. 60	gaa Glu	gcc Ala	ctg Leu	caa Gln	1	92
aga Arg 65	got Ala	gca Ala	aac Asn	ttt Phe	tca Ser 70	ggt Gly	cct Pro	tgt Cys	cca Pro	caa Gln 35	gac Asp	tgg Trp	ctt Leu	tgg Trp	cat His 80	2	40
aaa Lys	Gīđ gaa	aac Asn	tgt Cys	tac Tyr 85	ctc Leu	ttc Phe	cat His	ggg Gly	000 Pro 90	ttt Phe	agc Ser	tgg Trp	gaa Glu	aaa Lys 95	aac Asn	-	gá
egg Arg	cag Gln	acc Tnr	tgc Cys 100	caa Gln	tct Ser	ttg Leu	ggt Gly	ggc Gly 105	cag Gln	tta Lea	cta Leu	caa Gln	att Ile 110	aat Asn	ggt Gly	3	36
gca Ala	gat Asp	gat Asp 115	ctg Leu	aca Thr	ttc Phe	atc Ile	tta Leu 120	caa Gln	gca Ala	att Ile	tcc Ser	cat His 125	acc Thr	acc Thr	tcc Ser	3	84
cca Pro	ttc Phe 130	tgg Trp	att Ile	gga Gly	ttg Leu	cat His 135	egg Arg	aag Lys	aag Lys	cct Pro	ggc Gly 146	caa Gln	cca Pro	tgg Trp	cta Leu	4	32
tgg Trp 145	gag Glu	aat Asn	gga Gly	act Thr	cct Pro 150	ttg Leu	aat Asn	ttt Phe	caa Gln	Phe 155	ttt Phe	aag Lys	acc	agg Arg	ggc Gly 160	4	80
gtt Val	tot Ser	tta Leu	cag Gln	cta Leu 165	tat Tyr	tca Ser	tca Ser	ggc Gly	aac Asn 170	tgt Cys	gca Ala	tac Tyr	ctt Leu	caa Gln 175	gac Asp	5	28
gga Gly	gat Ala	gtg Val	ttc Phe 180	gct Ala	gaa Glu	aac Asn	tgc Cys	att Ile 185	cta Leu	att Ile	gca Ala	ttc Phe	agc Ser 190	ata Ile	tgt Cys	S	76
						ttg Leu			tag							6	606

Isoform 9						
	gat gac aag Asp Asp Lys 5					48
	ggc aag aag Gly Lys Lys 20					96
	gaa aac tgt Glu Asn Cys					144
	cag acc tgc Gln Thr Cys		Gly Gly (192
	gat gat ctg Asp Asp Leu 70					- 4
	ttc tgg att Phe Trp Ile 85					288
	gag aat gga Glu Asn Gly 100					336
	tot tta cag Ser Leu Gln					384
caa gac gga Gln Asp Gly 139	get gtg tte Ala Val Phe	gct gaa aac Ala Glu Asn 135	Cys Ile 1	cta att gca Leu Ile Ala 140	ttc agc Phe Ser	432
	aag aag aca Lys Lys Thr 150			tag		468

```
Α.
TSOFORM 1 (R1) ESKKELKGKIDTLTOKLNEKSKEOEELLOKNONLOEALORAANSSE
Isoform 1 (R2) ESQRELKGKIDTITRKLDEKSKEQEELLQMIQNLQEALQRAANSSE
Isoform 1 (R3) ESORELKGKIDTLTLKLNEKSKEQEELLQKNQNLQEALQRAANFSG
Isoform 3 (R1) QSKKELKGKIDTLTQKLNEKSKEQEELLQKNQNLQEALQRAANSSE
Isoform 3 (R3) ESQRELKGKIDTLTLKLNEKSKEQ...
Isoform 4 (R1) ESKKELKGKIDTLTOKLNEKSKEQEELLQKNQNLQEALQRAANFSG
Isoform 7 (R2) ESQRELKGKIDTITRKLDEKSKEQEELLQMIQNLQEALQRAANSSE
Isoform 7 (R3) ESORELKGKIDTLTLKLNEKSKEOEELLOKNONLOEALORAANFSG
Isoform 8 (R3) ESORELKGKIDTLTLKLNEKSKEQEELLQKNQNLQEALQRAANFSG
в.
Isoform 1 (R1) ESKKELKGKIDTLTQKLNEKSKEQEELLQKNONLOEALORAANSSE
Isoform 3 (R1) QSKKELKGKIDTLTQKLNEKSKEQEELLQKNQNLQEALQRAANSSE
Isoform 4 (R1) ESKKELKGKIDTLTQKLNEKSKEQEELLQKNQNLQEALQRAANFSG
С.
Isoform 1 (R2) ESORELKGKIDTITRKLDEKSKEQEELLQMIQNLQEALQRAANSSE
Isoform 7 (R2) ESQRELKGKIDTITRKLDEKSKEQEELLQMIQNLQEALQRAANSSE
D.
Isoform 1 (R3) ESQRELKGKIDTLTLKLNEKSKEQEELLQKNQNLQEALQRAANFSG
Isoform 3 (R3) ESORELKGKIDTLTLKLNEKSKEQ...
Isoform 7 (R3) ESQRELKGKIDTLTLKLNEKSKEQEELLQKNQNLQEALQRAANFSG
Isoform 8 (R3) ESQRELKGKIDTLTLKLNEKSKEQEELLQKNQNLQEALQRAANFSG
Ε.
Isoform 1 (R1) ESKKELKGKIDTLTQKLNEKSKEQEELLQKNQNLQEALQRAANSSE
Isoform 1 (R2) ESQRELKGKIDTITRKLDEKSKEQEELLQMIQNLQEALQRAANSSE
Isoform 1 (R3) ESQRELKGKIDTLTLKLNEKSKEQEELLQKNQNLQEALQRAANFSG
Isoform 3 (R1) OSKKELKGKIDTLTQKLNEKSKEQEELLQKNQNLQEALQRAANSSE
Isoform 3 (R3) ESQRELKGKIDTLTLKLNEKSKEQ...
Isoform 4 (R1) ESKKELKGKIDTLTOKLNEKSKEQEELLQKNQNLQEALQRAANFSG
Isoform 7 (R2) ESORELKGKIDTITRKLDEKSKEQEELLQMIQNLQEALQRAANSSE
Isoform 7 (R3) ESQRELKGKIDTLTLKLNEKSKEQEELLQKNQNLQEALQRAANFSG
Isoform 8 (R3) ESQRELKGKIDTLTLKLNEKSKEQEELLQKNQNLQEALQRAANFSG
               ESENELKEMIETLARKLNEKSKEOMELHHONLNLOETLKRVANCSA
human
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DOBORES DYDEOL

Figure 14